

# **TRAVELLER'S HUB**

A Mini Project Report

submitted by

**SOORAJ M (MES20MCA-2052)**

**to**

the APJ Abdul Kalam Technological University  
in partial fulfillment of the requirements for the award of the Degree

of

Master of Computer Applications



**Department of Computer Applications**

MES College of Engineering  
Kuttippuram, Malappuram - 679 582

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## DECLARATION

I undersigned hereby declare that the project report **TRAVELLER'S HUB**, submitted for partial fulfillment of the requirements for the award of degree of Master of Computer Applications of the APJ Abdul Kalam Technological University, Kerala, is a bonafide work done by me under supervision of Dr.Geevar C Zacharias, Assistant Professor, Department of Computer Applications. This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

Place: KUTTIPPURAM

SOORAJ.M (MES20MCA-2052)

Date: 28/02/2022

DEPARTMENT OF COMPUTER APPLICATIONS  
MES COLLEGE OF ENGINEERING, KUTTIPPURAM



CERTIFICATE

This is to certify that the report entitled **TRAVELLER'S HUB** is a bonafide record of the Mini Project work carried out by **SOORAJ M (MES20MCA-2052)** submitted to the APJ Abdul Kalam Technological University, in partial fulfillment of the requirements for the award of the Master of Computer Applications, under my guidance and supervision. This report in any form has not been submitted to any other University or Institution for any purpose.

Internal Supervisor(s)

External Supervisor(s)

Head Of The Department

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**SOORAJ M (MES20MCA-2052)**

## **Abstract**

Traveller's Hub is a social media platform for those who love to travel. This web application allows users to create a room for discussion and planning for the trip to a particular destination, if any other user is also interested and planning for the same destination, then that person can join in this room. This platform brings a new way of connecting new people of our mentality. In this web application, the user should specify their way of transport which distinguishes them from others, and show only those rooms with the same transportation system. This web application will allow users to connect with new people of their kind of mentality. Through this system we can reduce our effort through our trip, as we move in the group which will have all members of that room, things become easy to manage and overcome difficulties.

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# Chapter 1

## Introduction

### 1.1 Background

Everyone loves to travel, see the world, and explore its beauty brings pleasure to our minds and soul. Here we introduce a social media platform for those who love travel. This web application allows users to create a room for discussion and planning for the trip to a particular destination, if any other user is also interested and planning for the same destination, then that person can join in this room. This platform brings a new way of connecting new people of our mentality. In this web application, the user should specify their way of transport which distinguishes them from others, and show only those rooms with the same transportation system. This web application will allow users to connect with new people of their kind of mentality. Through this system we can reduce our effort through our trip, as we move in the group which will have all members of that room, things become easy to manage and overcome difficulties.

This system is a web based database system. The Web-based database management system is one of the essential parts of DBMS and is used to store web application data. A web-based Database management system is used to handle those databases that are having data regarding E-commerce, E-business, blogs, e-mail, and other online applications.

#### 1.1.1 Motivation

Every one loves to travel. So when we like to travel there can problems like lack of companions, vehicles or knowledge about the best tourist spots. We have to wait or consider the spare

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time of our known companion.

## 1.2 Objective

Traveller's Hub aims to provide a systematic way of creating a community to travel around the world. The system is easy to use, makes communication easier, reduces risk and provide security.

### Major Objectives are :-

1. To create a community of mutually unknown members who loves to travel.
2. To reduce the travel cost and use maximum resources.
3. To plan trip easily.

## 1.3 Contribution

The major contributions in this project are:

1. Designed and developed a new system for travelling
2. The system is developed as a website which provides any where any time access.
3. Provides a room feature for trip planning.
4. Proper communication among users is possible.
5. Proper room selection can be done on the basis of destination and vehicle.
6. Deletion or leaving room can be done whenever needed.

## 1.4 Report Organization

The project report is divided into four sections. Section 2 describes literature survey. Section 3 describes the methodology used for implementing the project. Section 4 gives the results and discussions. Finally Section 5 gives the conclusion.

## Chapter 2

### Literature Survey

Travel alone is now the largest on-line business-to-consumer product in the United States (Forrester Research, 1998) and on-line air travel is the largest in Europe (Dwyer et al, 1998). In Germany, the leading on-line market in Europe, air travel has been the largest on-line revenue since 1997 and is predicted to be the largest revenue generator, at least until the year 2002 (Jupiter Communications, 1998c). According to Jupiter Communications, a New York Internet research company, more than US dollar 2.1 billion in airline tickets, hotel accommodation, and travel packages will be purchased from the Internet in 1998.

In a report Leisure Travel On The Web on-line travel bookings was predicted to reach 7.4 billion dollar by the year 2001, up from 654 million dollar in 1997 (Forrester Research, 1997). Based on a recent field study of 120,000 North American households, on-line travel was predicted to reach nearly 30 billion dollar in sales by 2003 (Forrester Research, 1998). One common metric is to measure the success of a web site by the number of visitors' clicks, visits, or viewings.

Another metric could be the alignment of a web site with its corporate strategy (Allard, 1998; Brobst, 1995; McCune, 1998; Ware et al, 1998). Ware et al (1998) considered failing to link web initiatives to the existing business strategy and focus as one of the web business "sins". Allard (1998) notes a similarity of the misalignment with what happened in the early 1990s when companies were losing control of their IT budgets to independent business units. He observes that "companies are waking up to the fact that they have redundant investment in multiple web sites and a fractionalized Internet strategy". The current study, however, only discusses the content, content quality, and design perspectives of a web site.

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# Chapter 3

## Methodology

### 3.1 Introduction

Traveller's Hub is a social media platform for those who love travel. This web application allows users to create a room for discussion and planning for the trip to a particular destination on the basis of their interested vehicle. Any other user who interested can join in this room. This platform brings a new way of connecting new people of our mentality. In this web application, the user should specify their way of transport which distinguishes them from others, and show only those rooms with the same transportation system.

The system mainly consist of two module which is a normal user and a user with admin privilege. The user with admin privilege is the one who creates the room and the normal user is the one who joins the room and will manage the request send by the normal user. Every one in the system can create their own rooms and can join in the room which is founded by searching on the basis of destination. The rooms can be deleted by the creators and also he/she is able to manage the member count. The members can exit from the room whenever they want. Both of them can communicate by sharing media in the chat box.

Traveller's Hub web application is implemented using Python django. Django is a high-level Python web framework that enables rapid development of secure and maintainable websites. Built by experienced developers, Django takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It is free and open source, has a thriving and active community, great documentation, and many options for free and paid-for support. Django can be (and has been) used to build almost any type of

website — from content management systems and wikis, through to social networks and news sites. It can work with any client-side framework, and can deliver content in almost any format (including HTML, RSS feeds, JSON, XML, etc). Internally, while it provides choices for almost any functionality you might want (e.g. several popular databases, templating engines, etc.), it can also be extended to use other components if needed. Django helps developers avoid many common security mistakes by providing a framework that has been engineered to "do the right things" to protect the website automatically. For example, Django provides a secure way to manage user accounts and passwords, avoiding common mistakes like putting session information in cookies where it is vulnerable (instead cookies just contain a key, and the actual data is stored in the database) or directly storing passwords rather than a password hash.

PyCharm is an integrated development environment (IDE) used in computer programming, specifically for the Python language. It is developed by the Czech company JetBrains. It provides code analysis, a graphical debugger, an integrated unit tester, integration with version control systems (VCSes), and supports web development with Django as well as Data Science with Anaconda. PyCharm is cross-platform, with Windows, macOS and Linux versions. The Community Edition is released under the Apache License, and there is also Professional Edition with extra features – released under a proprietary license. PyCharm provides API so that developers can write their own plugins to extend PyCharm features. Several plugins from other JetBrains IDE also work with PyCharm. There are more than 1000 plugins which are compatible with PyCharm. The beta version was released in July 2010, with the 1.0 arriving 3 months later. Version 2.0 was released on 13 December 2011, version 3.0 on 24 September 2013, and version 4.0 on 19 November 2014. PyCharm Community Edition, the open source version of PyCharm, became available on 22 October 2013.

MySQL database is used in the system which is a relational database management system (RDBMS) developed by Oracle that is based on structured query language (SQL). A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or a place to hold the vast amounts of information in a corporate network. In particular, a relational database is a digital store collecting data and organizing it according to the relational model. In this model, tables consist of rows and columns, and relationships between data elements all follow a strict logical structure. An RDBMS is simply the set of software tools used to actually implement, manage, and query such a database.

This project was developed using Agile Development Model. The entire project was divided into four sprints. UI designing, Database connectivity, coding and testing are done on the four sprints respectively.

## 3.2 Module

### 1. USER (Admin Of the Room)

- a.Register
- b.Login
- c.Create Room
- d.View Request
- e.Manage Request
- f.Chat
- g.Share Content
- h.View content
- i.Delete Room
- j.Remove Members

### 2. USER (Member Of the Room)

- a. Register
- b. Login
- c. Search Room
- d. Send Request
- e. View Request Response
- f. Chat
- g. Share Content
- h. View Content
- i. Exit Room

## Chapter 4

### Results and Discussions

This web application allow users to connect with new people of their kind of mentality. Through this system it is possible to reduce our effort through our trip, as we move in the group which will have all members of that room, things become easy to manage and overcome difficulties. Various benefits are found using Web-based dbms approach. That includes simplicity, platform independence, standardization, cross-platform support, transparent network access, scalability and innovation.

The project has a very vast scope in future. Various functionalities can be added to this system. We can add accommodation details, like hotel name, facilities , location , charges , of the destination. Also merge various rooms with same destination. Predict the best medium for travel will help lot more users.By Giving a detailed view on selected destination on the basis of culture it will be more helpful for the users to find best destination.

# Chapter 5

## Conclusions

Traveller's Hub is a website which is easy to use and more interactive to the users. In this system, there is an atmosphere for planning and travelling around the world. This can be done by creating room(group) where everyone who uses the website can join. He/she can find the room by searching and are able to select the room by their choice in the destination and type of vehicle. The user who creates the room, on the basis of vehicle and destination, can add further details in the description, for example month of travel. The room can be removed whenever needed, also a user can leave the room whenever he/she needed. This system creates a space for mutually unknown individual to build a community for travelling. The system is easy to use, makes communication easier and reduces the travelling cost. All necessary validations are carried out in this project where ever required and hence is a reliable system. The project is developed using Python as front end and MySQL as back end. The IDE used in the project is Pycharm. The project has been developed, tested, documented and implemented successfully. This has been developed as versatile and user friendly as possible. At the final stage of this project with a proud feeling that some thing new had developed. In future, this system can be useful for all who loves to travel with new communities and will create new expirience in life.

## References

- [1] Zulfikar Mochamad Rachman, John Buchanan (1999) Effective Tourism Web Sites, Part 1[Online] Available:<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.196.7207&rep=rep1&type=pdf>.

# Appendix

## Source Code

---

```

from django.shortcuts import render
from room.models import Room
import datetime
from room_request.models import RoomRequest
from room_members.models import RoomMembers
from django.http import HttpResponseRedirect
# Create your views here.

from django.contrib import messages

def create_room(request):
    uid = request.session["uid"]
    if request.method=="POST":
        obj=Room()
        obj.creator_id=request.session["uid"]
        obj.vehicle=request.POST.get('room_name')
        obj.visiting_place=request.POST.get('place')
        obj.description=request.POST.get('description')
        obj.room_name=""

        obj.date=datetime.date.today()
        obj.save()

        obb=RoomMembers()
        obb.room_id=obj.room_id
        obb.member_id=uid
        obb.joined_date=datetime.date.today()

        obb.save()
        messages.info(request,'ROOM CREATED')
        # return HttpResponseRedirect('/temp/user_home/')
        return render(request,'room/create_room.html')

def view_room_requests(request):
    uid = request.session["uid"]
    obj=RoomRequest.objects.filter(creator_id=uid)

    rq=RoomRequest.objects.filter(user_id=uid)
    context={
        'details':obj,
        'rqs':rq
    }

```

---

## Appendix

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```
}

return render(request,'room/view create room.html',context)

def search_room(request):
    uid=request.session["uid"]
    # print(uid)
    if request.method=="POST":
        loc=request.POST.get('search')
        ob=Room.objects.filter(visiting_place__icontains=loc).values_list('room_id',flat=True)
        # print(ob)
        yr=RoomRequest.objects.filter(user_id=uid,room_id__in=ob).values_list('room_id',flat=True) #already requested rooms
        # print(yr)
        obj=Room.objects.filter(visiting_place__icontains=loc).exclude(creator_id=uid).exclude(room_id__in=yr)
        msg="Request send"
        context={
            'details':obj,
            'al':msg
        }
    return render(request,'room/search_room.html',context)
return render(request,'room/search_room.html')

def viewroom(request):
    ss= request.session["uid"]
    obj=Room.objects.filter(creator__user_id=ss)
    context={
        'objval':obj
    }
    return render(request,'room/viewadmin.html',context)

def delete(request,idd):
    obj=Room.objects.get(room_id=idd)
    obj.delete()
    return viewroom(request)
```

---

## Database Design

| Attribute Name | Datatype | Width | Description |
|----------------|----------|-------|-------------|
| user id        | int      | 11    | Primary Key |
| Name           | Varchar  | 50    |             |
| Address        | Varchar  | 50    |             |
| Phone          | Varchar  | 50    |             |
| Email          | Varchar  | 50    |             |

Table A.1: Registration

| Attribute Name | Datatype | Width | Description |
|----------------|----------|-------|-------------|
| login id       | int      | 11    | Primary Key |
| username       | Varchar  | 50    | Unique      |
| password       | varchar  | 50    |             |
| user id        | int      | 11    |             |
| type           | varchar  | 50    |             |

Table A.2: Login

| Attribute Name | Datatype | Width | Description |
|----------------|----------|-------|-------------|
| rr id          | int      | 11    | Primary Key |
| user id        | int      | 11    | Unique      |
| room id        | int      | 11    |             |
| status         | varchar  | 50    |             |
| creator id     | int      | 11    |             |

Table A.3: Room Request

## Appendix

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| <b>Attribute Name</b> | <b>Datatype</b> | <b>Width</b> | <b>Description</b> |
|-----------------------|-----------------|--------------|--------------------|
| chat id               | int             | 11           | Primary Key        |
| user id               | int             | 11           | Unique             |
| chat                  | varchar         | 100          |                    |
| media                 | varchar         | 500          |                    |
| date                  | date            |              |                    |
| time                  | time            |              |                    |
| rm id                 | int             | 11           |                    |

Table A.4: Chat

| <b>Attribute Name</b> | <b>Datatype</b> | <b>Width</b> | <b>Description</b> |
|-----------------------|-----------------|--------------|--------------------|
| room id               | int             | 11           | Primary Key        |
| creator id            | int             | 20           | Unique             |
| room name             | varchar         | 50           |                    |
| visiting place        | varchar         | 50           |                    |
| date                  | date            |              |                    |
| description           | varchar         | 100          |                    |
| vehicle               | varchar         | 50           |                    |

Table A.5: Room

| <b>Attribute Name</b> | <b>Datatype</b> | <b>Width</b> | <b>Description</b> |
|-----------------------|-----------------|--------------|--------------------|
| rm id                 | int             | 11           | Primary Key        |
| room id               | int             | 11           |                    |
| member id             | int             | 11           |                    |
| joined date           | date            |              |                    |

Table A.6: Room Members

Appendix

## Dataflow Diagram

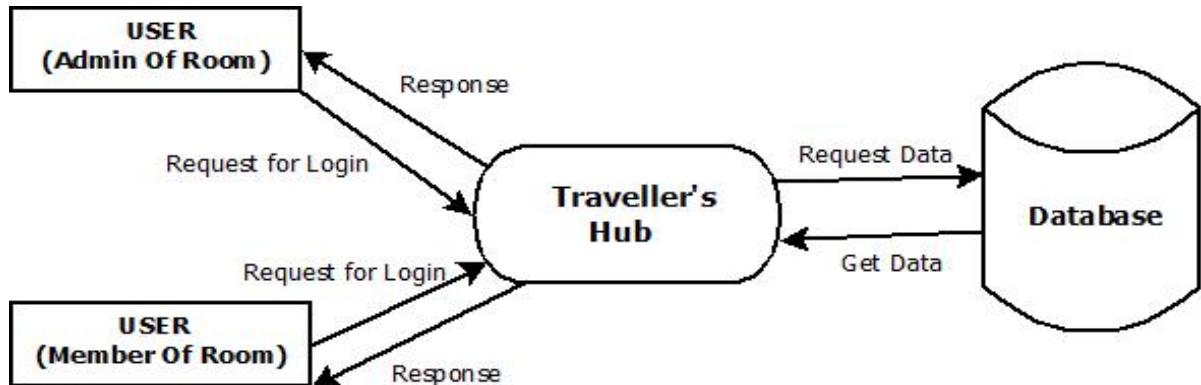


Figure A.1: Level 0

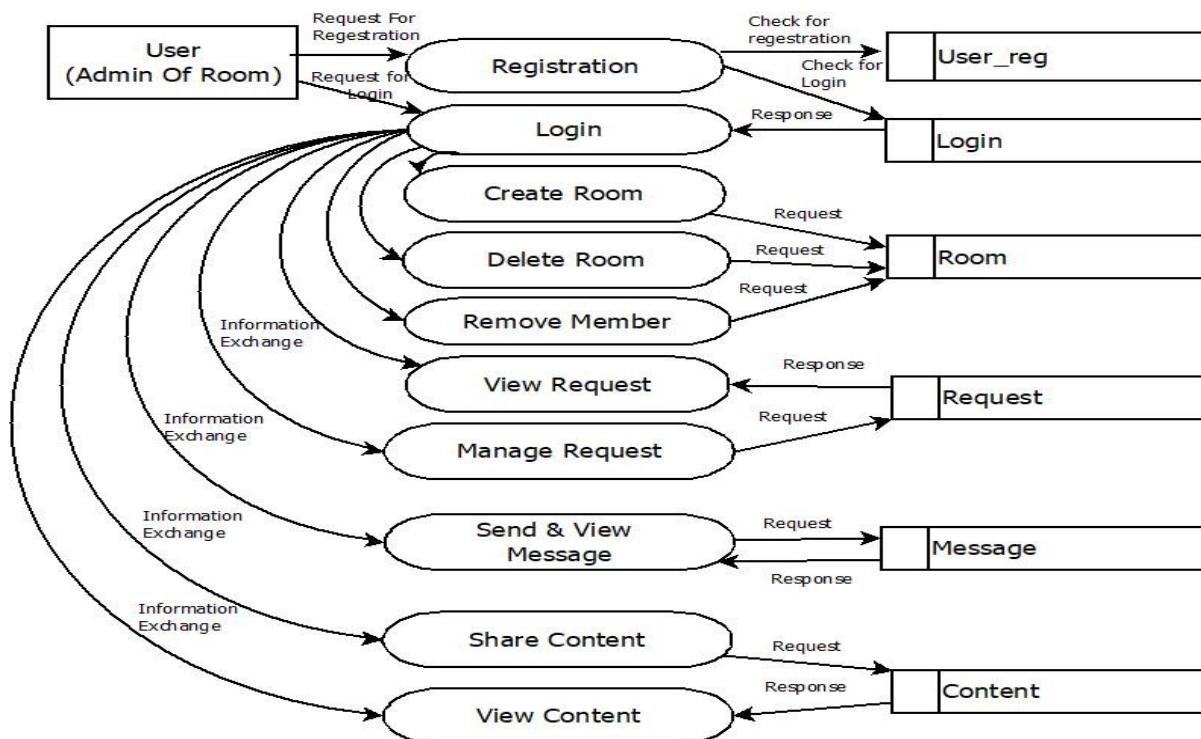


Figure A.2: Level 1

## Appendix

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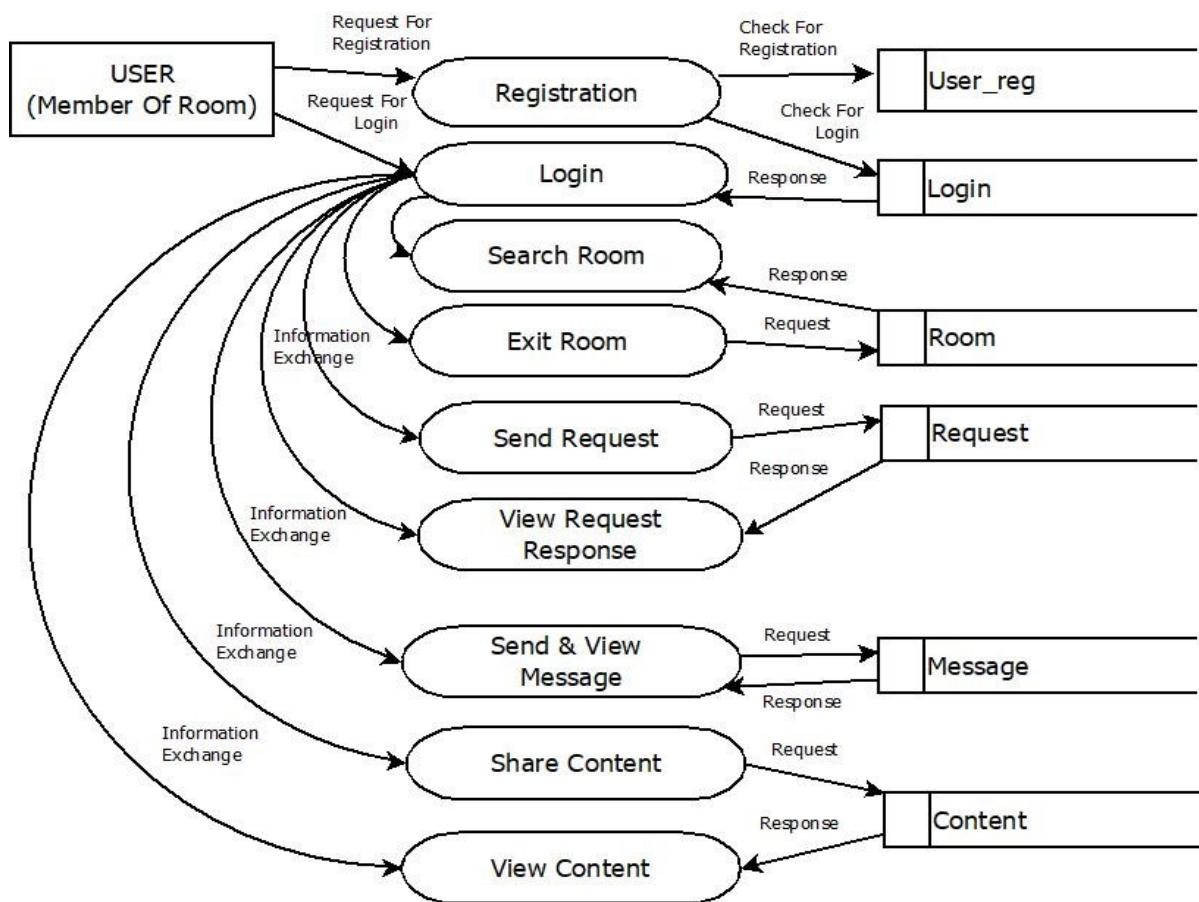


Figure A.3: Level 2

## Appendix

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### User Story

| User Story ID | As a<type of user> | I want to <perform some task> | So that I can <achieve some goal> |
|---------------|--------------------|-------------------------------|-----------------------------------|
| 1             | User               | Registration                  | Access Login                      |
| 2             | User               | Login                         | Access Home Page                  |
| 3             | User               | Select Vehicle & Destination  | Create Room As Admin              |
| 4             | User               | Search Room                   | Send Request                      |
| 5             | User               | Manage Request                | Reject/Accept Request             |
| 6             | User               | Add Details                   | Share with Members                |
| 7             | User               | Send Message                  | Communicate with other Members    |
| 8             | User               | Delete Room                   | Exit Room                         |
| 9             | User               | Remove Member                 | Manage Member Count               |
| 10            | User               | Remove Room                   | Make It No More Available         |

Figure A.4: User Story

### Product Backlog

| User Story ID | Priority <High/Medium/Low> | Size (Hours) | Sprint <#> | Status <Planned/In Progress/Completed> | Release Date | Release Goal                  |
|---------------|----------------------------|--------------|------------|--|--------------|-------------------------------|
| 1             | Medium                     | 5            | 1          | Completed                              | 17/11/2021   | Creation Of Registration Page |
| 2             | Medium                     | 5            |            | Completed                              | 19/11/2021   | Creation Of Login Page        |
| 3             | High                       | 5            | 2          | Completed                              | 24/11/2021   | Create Room                   |
| 4             | High                       | 5            |            | Completed                              | 29/11/2021   | Requesting to Join Room       |
| 5             | High                       | 5            | 3          | Completed                              | 06/12/2021   | Accessing Room                |
| 6             | Medium                     | 5            |            | Completed                              | 16/12/2021   | Content Sharing               |
| 7             | Medium                     | 5            |            | Completed                              | 06/01/2022   | Communication Among User      |
| 8             | Medium                     | 5            | 4          | Completed                              | 20/01/2022   | Leave Room                    |
| 9             | Medium                     | 5            |            | Completed                              | 09/02/2022   | Remove Member                 |
| 10            | High                       | 5            |            | Completed                              | 16/02/2022   | Remove Room                   |

Figure A.5: Product Backlog

## Appendix

---

# Project Plan

| User Story ID | Task Name | Start Date | End Date   | Days | Status    |
|---------------|-----------|------------|------------|------|-----------|
| 1             | Sprint 1  | 15/11/2021 | 17/11/2021 | 5    | Completed |
| 2             |           | 17/11/2021 | 19/11/2021 |      | Completed |
| 3             | Sprint 2  | 22/11/2021 | 24/11/2021 | 8    | Completed |
| 4             |           | 24/11/2021 | 29/11/2021 |      | Completed |
| 5             | Sprint 3  | 01/11/2021 | 06/11/2022 | 20   | Completed |
| 6             |           | 13/12/2021 | 16/12/2021 |      | Completed |
| 7             |           | 03/01/2022 | 06/01/2022 |      | Completed |
| 8             | Sprint 4  | 17/01/2022 | 20/01/2022 | 10   | Completed |
| 9             |           | 07/01/2022 | 09/01/2022 |      | Completed |
| 10            |           | 14/02/2022 | 16/02/2022 |      | Completed |

Figure A.6: Project Plan

# Sprint Backlog Plan

| Backlog Item          | Status and Completion date | Original Estimate in hours | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 |
|-----------------------|----------------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| User story #1,2       |                            |                            | Hours  | Hours  | Hours  | Hours  |
| UI Designing          | 17/11/21                   | 2                          | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Database Connectivity | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Coding                | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Testing               | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| User story #3,4       |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |
| UI Designing          | 24/11/21                   | 5                          | 0     | 0     | 5     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Database Connectivity | 29/11/21                   | 3                          | 0     | 0     | 0     | 3     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Coding                | 29/11/21                   | 6                          | 0     | 0     | 0     | 0     | 6     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Testing               | 29/11/21                   | 4                          | 0     | 0     | 0     | 0     | 4     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| User story #5,6,7     |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |
| UI Designing          | 03/01/22                   | 4                          | 0     | 0     | 0     | 0     | 0     | 4     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Database Connectivity | 06/01/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 3     | 0     | 0     | 0     | 0      | 0      | 0      | 0      |
| Coding                | 06/01/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 0     | 0     | 0      | 0      | 0      | 0      |
| Testing               | 06/01/22                   | 2                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 0      | 0      | 0      | 0      |
| User story #8,9,10    |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |
| UI Designing          | 14/02/22                   | 4                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 0     | 0      | 0      | 0      | 0      |
| Database Connectivity | 16/02/22                   | 2                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0      | 0      | 0      | 0      |
| Coding                | 16/02/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 3      | 0      | 0      |
| Testing               | 16/02/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 3      | 0      | 0      |
| Total                 |                            | 50                         | 2     | 6     | 5     | 3     | 10    | 7     | 3     | 2     | 4     | 2      | 6      | 0      | 0      |

Figure A.7: Sprint Backlog Plan

## Appendix

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### Sprint Backlog Actual

| Backlog Item          | Status and Completion date | Original Estimate in hours | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Completed <Y/N> |
|-----------------------|----------------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-----------------|
| User story #1,2       |                            |                            | Hours  | Hours  | Hours  | Hours  |                 |
| UI Designing          | 17/11/21                   | 2                          | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Database Connectivity | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Coding                | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Testing               | 19/11/21                   | 2                          | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| User story #3,4       |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |                 |
| UI Designing          | 24/11/21                   | 5                          | 0     | 0     | 5     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Database Connectivity | 29/11/21                   | 3                          | 0     | 0     | 0     | 3     | 0     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Coding                | 29/12/21                   | 6                          | 0     | 0     | 0     | 0     | 6     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Testing               | 29/12/21                   | 4                          | 0     | 0     | 0     | 0     | 4     | 0     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| User story #5,6,7     |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |                 |
| UI Designing          | 03/06/22                   | 4                          | 0     | 0     | 0     | 0     | 0     | 4     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Database Connectivity | 06/01/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 3     | 0     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Coding                | 06/01/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 0     | 0     | 0      | 0      | 0      | 0      | Y               |
| Testing               | 06/01/22                   | 2                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 0      | 0      | 0      | 0      | Y               |
| User story #8,9,10    |                            |                            |       |       |       |       |       |       |       |       |       |        |        |        |        |                 |
| UI Designing          | 14/02/22                   | 4                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 0      | 0      | 0      | 0      | Y               |
| Database Connectivity | 16/02/22                   | 2                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2      | 0      | 0      | 0      | Y               |
| Coding                | 16/02/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 3      | 0      | 0      | Y               |
| Testing               | 16/02/22                   | 3                          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 3      | 0      | 0      | Y               |
| Total                 |                            | 50                         | 2     | 6     | 5     | 3     | 10    | 7     | 3     | 2     | 4     | 2      | 6      | 0      | 0      | Y               |

Figure A.8: Sprint Backlog Actual

## Appendix

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### User Interface

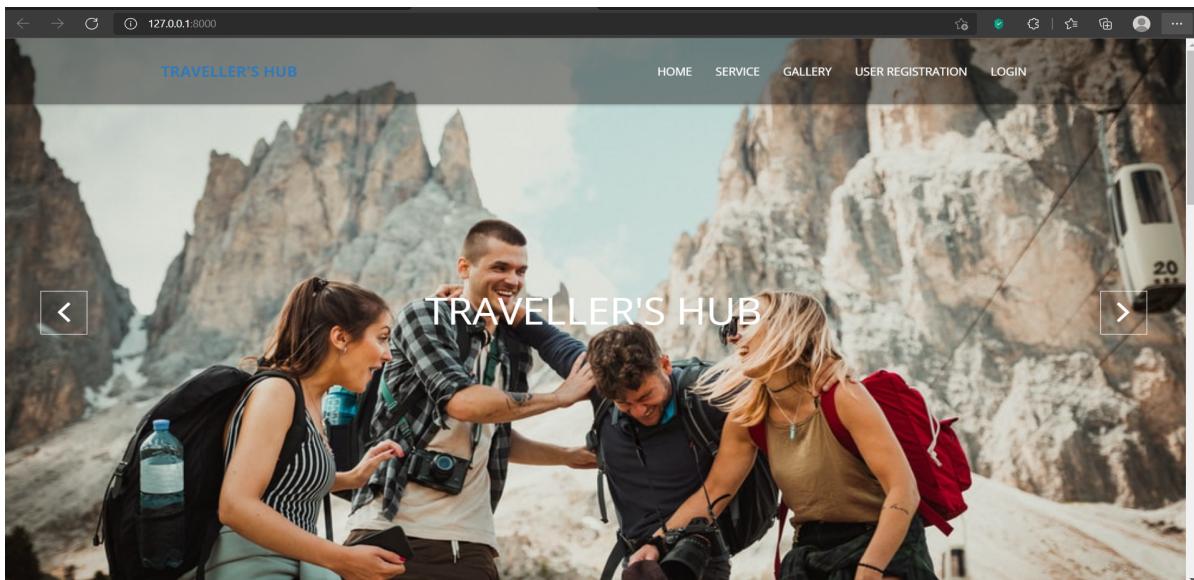


Figure A.9: User Interface 1

A screenshot of a web browser showing the "USER REGISTRATION" page. The page has a clean, minimalist design with a white background. It includes fields for "Your Name...", "Your Address...", "Select your Gender" (with radio buttons for Male and Female), "Your Contact Number...", "Your Email ID...", "Your Password...", and "confirm Password...". A blue "REGISTER" button is located at the bottom left of the form area. The browser's address bar shows the URL "127.0.0.1:8000/user/reg/". The top navigation bar from Figure A.9 is still visible.

Figure A.10: User Interface 2

## Appendix

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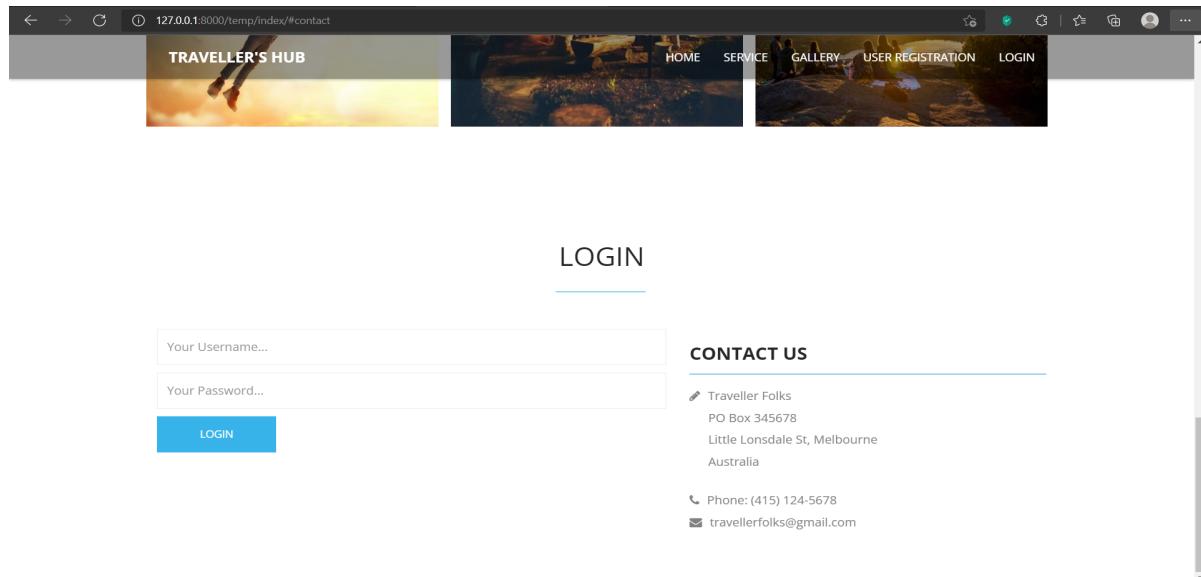


Figure A.11: User Interface 3

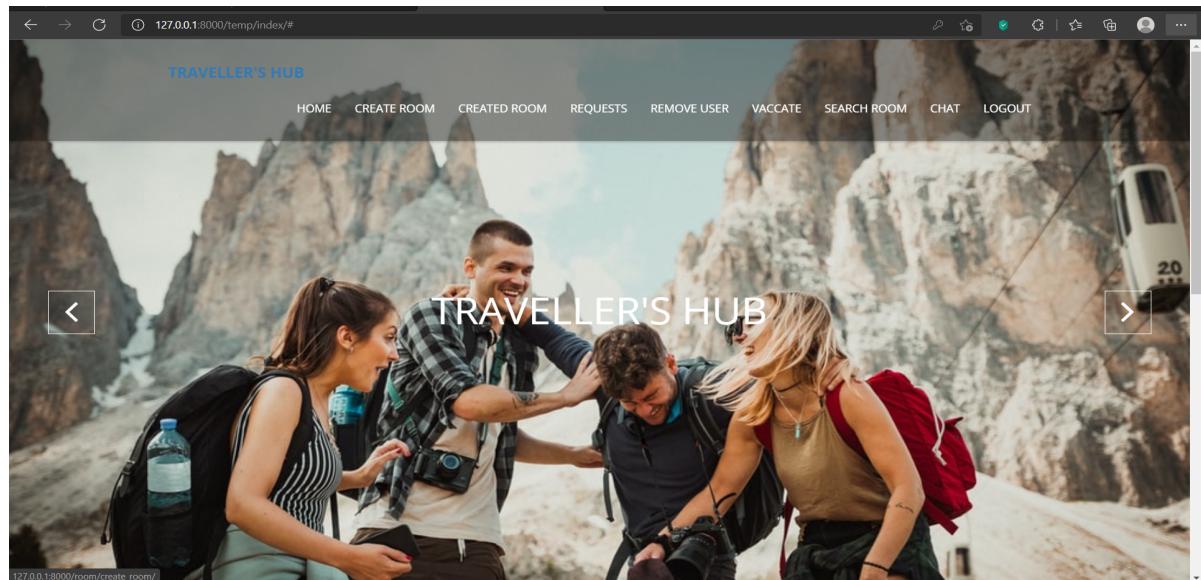


Figure A.12: User Interface 4

## Appendix

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The screenshot shows a web browser window with the URL `127.0.0.1:8000/room/create_room/`. The title bar reads "TRAVELLER'S HUB". The main content area is titled "CREATE ROOM". It contains three input fields: "Vehicle" (with placeholder "Vehicle"), "Visiting Place" (with placeholder "Visiting Place"), and "Description" (with placeholder "Description"). Below these fields is a blue "CREATE" button.

Figure A.13: User Interface 5

The screenshot shows a web browser window with the URL `127.0.0.1:8000/room/viewwww/`. The title bar reads "TRAVELLER'S HUB". The main content area is titled "VIEW CREATE ROOM". It displays a table with five rows of data:

| VEHICLE | DESCRIPTION | PLACE      | DELETE                  |
|---------|-------------|------------|-------------------------|
| CAR     | DECEMBER    | Palakkad   | <button>DELETE</button> |
| Car     | August      | Malappuram | <button>DELETE</button> |
| Bike    | April       | Goa        | <button>DELETE</button> |
| BUS     | April       | Kasargode  | <button>DELETE</button> |

Figure A.14: User Interface 6

## Appendix

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The screenshot shows a web browser window with the URL `127.0.0.1:8000/room_request/view_room_requests/`. The page title is "TRAVELLER'S HUB". Below it is a navigation bar with links: HOME, CREATE ROOM, CREATED ROOM, REQUESTS, REMOVE USER, VACCATE, SEARCH ROOM, CHAT, and LOGOUT. The main content area is titled "JOINING REQUESTS". A table displays one request:

| REQUEST FROM | VISITING PLACE | DESCRIPTION | ROOM CREATED ON |                        |                        |
|--------------|----------------|-------------|-----------------|------------------------|------------------------|
| ravi         | Kasargode      | April       | Feb. 22, 2022   | <a href="#">ACCEPT</a> | <a href="#">REJECT</a> |

Below this, another section titled "YOUR REQUESTS STATUS" shows a table of pending requests:

| VISITING PLACE | DESCRIPTION   | ROOM CREATED ON | REQUEST STATUS |
|----------------|---------------|-----------------|----------------|
| Munnar         | on january 29 | Jan. 12, 2022   | pending        |
| wayanad        | next month    | Jan. 12, 2022   | pending        |
| Kasargode      | May           | Feb. 22, 2022   | accepted       |
| GOA            | may           | Feb. 23, 2022   | accepted       |

Figure A.15: User Interface 7

The screenshot shows a web browser window with the URL `127.0.0.1:8000/room_request/roomadmin/`. The page title is "TRAVELLER'S HUB". Below it is a navigation bar with links: HOME, CREATE ROOM, CREATED ROOM, REQUESTS, REMOVE USER, VACCATE, SEARCH ROOM, CHAT, and LOGOUT. The main content area is titled "ACCEPTED USERS". A table displays one user record:

| VISITING PLACE | USER NAME | DESCRIPTION | ROOM CREATED ON |                        |
|----------------|-----------|-------------|-----------------|------------------------|
| Kasargode      | ravi      | April       | Feb. 22, 2022   | <a href="#">DELETE</a> |

Figure A.16: User Interface 8

## Appendix

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The screenshot shows a web browser window with the URL `127.0.0.1:8000/room/search_room/`. The page title is "TRAVELLER'S HUB". The main heading is "SEARCH ROOM". Below it is a search bar with the placeholder "Search by location name" and a blue "SEARCH" button. The results section is titled "SEARCH RESULTS" and contains a table with one row. The table columns are "CREATOR NAME", "VISITING PLACE", "DESCRIPTION", "ROOM CREATED ON", and a red "SEND REQUEST" button. The data in the table is:

| CREATOR NAME | VISITING PLACE | DESCRIPTION | ROOM CREATED ON |                              |
|--------------|----------------|-------------|-----------------|------------------------------|
| Rahul        | Himalaya       | on Feb 10   | Jan. 12, 2022   | <a href="#">SEND REQUEST</a> |

Figure A.17: User Interface 9

The screenshot shows a web browser window with the URL `127.0.0.1:8000/chat/select_room/`. The page title is "TRAVELLER'S HUB". The main heading is "SELECT ROOM FOR CHAT". Below it is a table with eight rows, each containing "GOTO CHAT ROOM" buttons. The table columns are "VISITING PLACE", "DESCRIPTION", "ROOM CREATED ON", and "GOTO CHAT ROOM". The data in the table is:

| VISITING PLACE | DESCRIPTION | ROOM CREATED ON |                                |
|----------------|-------------|-----------------|--------------------------------|
| Malappuram     | August      | Feb. 20, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| Malappuram     | march       | Feb. 20, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| Goa            | April       | Feb. 20, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| Kasargode      | April       | Feb. 22, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| Kasargode      | May         | Feb. 22, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| GOA            | may         | Feb. 23, 2022   | <a href="#">GOTO CHAT ROOM</a> |
| Malappuram     | hi          | Feb. 23, 2022   | <a href="#">GOTO CHAT ROOM</a> |

Figure A.18: User Interface 10

## Appendix

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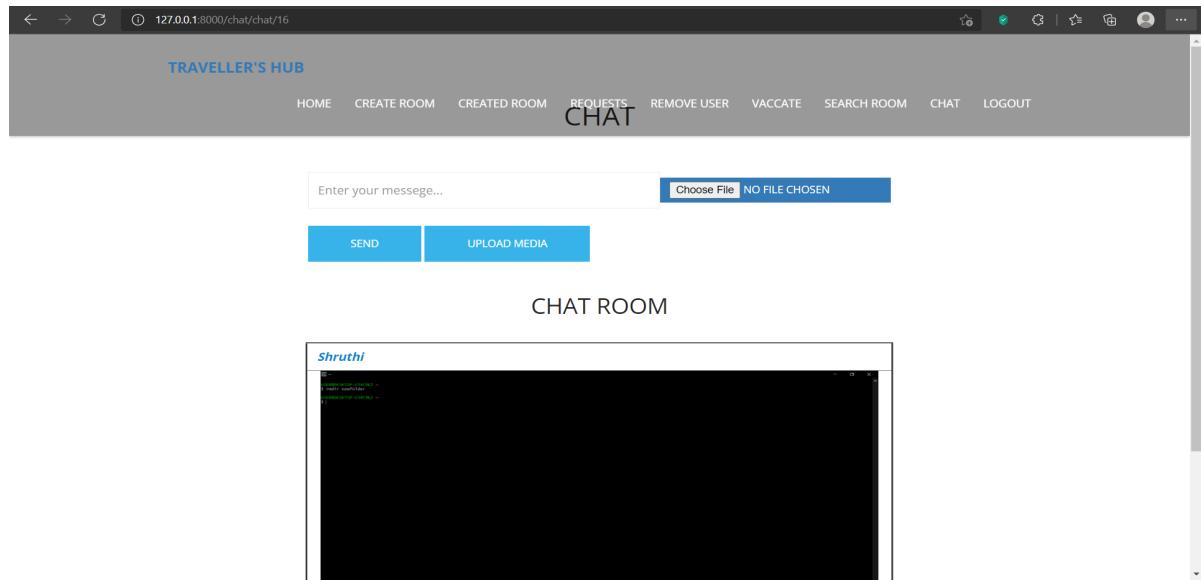


Figure A.19: User Interface 11

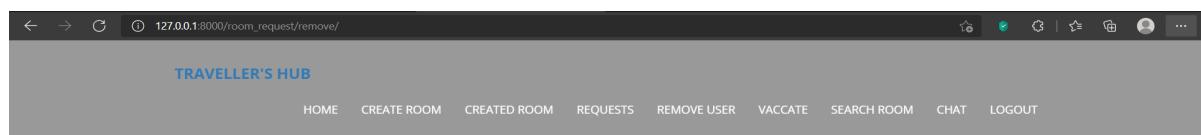


Figure A.20: User Interface 12